Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	04/09/2015 11:32 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/20/2014 10:06 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124249	-1	1.58	124100	1.51
Blue	F	SSC	125000	123117	-2	2.72	124035	2.42
Blue	E	FITC	17374	16866	-3	2.29	952	8.22
Blue	D	PE	22653	22159	-3	1.86	1001	7.27
Blue	B	PerCP-Cy5-5	64987	64090	-2	2.49	1689	11.84
Blue	A	PE-Cy7	74081	73245	-2	3.45	968	22.17
Red	C	APC	61430	60828	-1	2.36	3437	7.72
Red	A	APC-Cy7	88289	87453	-1	2.40	1729	7.53
Violet	B	V450	12535	12132	-4	3.20	751	7.33
Violet	A	V500	47468	46243	-3	2.85	2614	5.29

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19998	5.04	574	-5	N/A	N/A	Pass
Blue	F	SSC	61627	1.69	492	3	N/A	N/A	Pass
Blue	E	FITC	104	31.40	509	0	0.0290	0	Pass
Blue	D	PE	208	21.80	502	1	0.2046	105	Pass
Blue	B	PerCP-Cy5-5	207	34.21	581	1	0.0135	0	Pass
Blue	A	PE-Cy7	76	83.70	638	1	0.0186	4	Pass
Red	C	APC	321	24.62	570	0	0.0232	0	Pass
Red	A	APC-Cy7	110	35.94	547	1	0.0053	701	Pass
Violet	B	V450	79	38.17	457	8	0.0580	1810	Pass
Violet	A	V500	170	19.22	484	6	0.0170	0	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.62	47.70 - 71.54	N/A	N/A	-31.71	-31.32	0.79
Blue	20.47	16.35 - 24.53	1.26	1.00 - 1.50	0.00	0.00	1.23
Red	17.39	13.07 - 19.61	N/A	N/A	31.80	32.14	1.11

Window Extension: 7.00
FSC Area Scaling Factor: 0.85

Threshold

Threshold (FSC): 15647

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments